

## Claims

- [c1] Claims 1. Desktop Personal Digital Make Up Printer.  
Comprising, Data Input  
Interface, X – Y servo and step motor drive assembly,  
piezoelectric print head  
Drive circuit board, CMYK inkjet cartridges carrier.
- [c2] Claims 2. Flexible track rail can be adjust according to  
profile of each person face  
And head. Two thumb screw can bend or stretch the  
flexible track rail. Rail  
can be made by steel or composite material plate.
- [c3] A length auto adjustable telescopic leg is coupled with  
carrier and used to  
pull or push the cartridge carrier that rides on the curved  
rail to do the left  
right scanning and compensating the arc of the rail. This  
telescopic leg can  
be a linear motor driven or spring driven system.
- [c4] Claim3. Carrier of ink cartridge assembly  
The train wheel can clamps the rail edge and fellow the  
track arc. Whole

assembly comprise X axis step motor or servo motor, ball screw worm and nut assembly and telescopic leg and cartridge Carrier . The Y Axis drive assembly control the vertical motion of the Carrier of ink cartridge assembly the print head assembly. X – Y axis 2 dimension motion, open loop or close loop control, can let print head shooting ink at any position of the human face that computer programmed.

- [c5] Claim4. Database of all kind of eye brow , face blush , logo, symbols, and texture vector image, and some .
- [c6] Recommended style and color are stored. Customer can make its on eye brow picture and print and save. All eye brow, face blush image can be edited , such as brightness, contrast , Color, special effect ion, skew, stretch Scale, hue, saturation and color gamma.
- [c7] Claims5. The printer can print left of the face and then print the right side of the face or print both side at same time.

